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Substitute for Form 1465A/PTO			Application Number	10/047,978
INFORMATION DISCLOSURE			Filing Date	1/13/02
STATEMENT BY APPLICANT			First Named Inventor	Steven Teig
(use as many sheets as necessary)			Group Art Unit	2612
Sheet	1	SP	Examiner Name	Stacy A. Whitmore
			Attorney Docket Number	SPLX.P0098

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RELATED U.S. PATENT DOCUMENTS					
Examiner Inventor	Cits No.	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Related Application Data
	1.	2003/0079193	12-07-2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/0079193.
	2.	2003/0018947	12-07-2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract.
	3.	2002/0147958	10-19-2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/02.
	4.	2003/0063614	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	5.	2003/0064568	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	6.	2003/0063668	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	7.	2003/0101428 S/N 10/040,915	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	8.	2003/0101425 S/N 10/040,915	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
	9.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	10.	2002/0166105 S/N 10/040,948	01-052-002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
	11.	2003/0043527 S/N 10/040,953	01-052-002	Steven Teig et al.	Continuation of 2003/0079193.
	12.	2003/0043527	01-052-002	Steven Teig et al.	This Preliminary Amendment is submitted as
Examiner Signature			Date Considered:		

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Substitute for form 14-549/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number:	10/047,958
				Filing Date:	10/03/02
				First Named Inventor:	Steven Teig
				Group Art Unit:	2812
				Examiner Name:	Stacy A. Whitmore
Sheet	2	SP	X	Attorney Docket Number:	SP/LX-PG639

RELATED U.S. PATENT DOCUMENTS

	S/N 10/040,953				the publication 2003/0043827 does not accurately reflect the claims of S/N 10/040,953.
13.	2003/0083943, S/N 10/040,954	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.	
14.	2003/0083943, S/N 10/040,954	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0028943 does not accurately reflect the claims of S/N 10/040,954.	
15.	2003/0068042, S/N 10/040,952	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.	
16.	2003/0068042 S/N 10/040,952	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0068042 does not accurately reflect the claims of S/N 10/040,952.	
17.	2002/0174112 S/N 10/040,942	01-07-2002	Steven Teig et al.	Continuation of 2003/0079193.	
18.	2002/0174112 S/N 10/040,942	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174112 does not accurately reflect the claims of S/N 10/040,942.	
19.	2003/0083944 S/N 10/041,867	01-07-2002	Steven Teig et al.	Continuation of 2003/0079193.	
20.	2002/0068044 S/N 10/041,867	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0068044 does not accurately reflect the claims of S/N 10/040,957.	
21.	2002/0198165 S/N 10/045,864	01-13-2002	Steven Teig et al.	Continuation of 2003/0079193.	
22.	2002/0198165 S/N 10/046,864	01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0198165 does not accurately reflect the claims of S/N 10/046,864.	
23.	2003/0068042	01-13-2002	Steven Teig et al.	Continuation of 2003/0068042 per later/secondary amendment.	
24.	2002/0174112	01-13-2002	Steven Teig	Continuation of 2003/0068044 per preliminary amendment.	

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Signature for Item 1a-1b(A)(7)(G)				Application Number	10247,983
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/15/02
(use as many lines as necessary)				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Street	3	SP	4	Attorney Docket Number	SPLEX-PDCB9

RELATED U.S. PATENT DOCUMENTS

25.	2003/0056187 S/N 10/047,982	01-14-2002	Steven Teig et al.	Continuation of 2003/0078193.
26.	2003/0056187 S/N 10/047,982	01-14-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982.
27.	2003/0066044	01-16-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
28.	2003/0066045	01-16-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
29.	2002/0139798	12-08-2000	Steven Teig et al.	Application regarding related placement technology.
30.	2002/0100057	12-08-2000	Steven Teig et al.	Parent application; present application is a CIP of 2002/0100057.
31.	2002/0073380 S/N 097,37,210	12-13-2000	Steven Teig et al.	Application regarding related placement technology.
32.	2002/0073380 S/N 097,37,210	12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073380 does not accurately reflect the claims of S/N 097,37,210.
33.	S/N 097/37,220	12-13-2000	Steven Teig et al.	Application regarding related placement technology.
34.	S/N 097/37,245	12-13-2000	Steven Teig et al.	Application regarding related placement technology.
35.	S/N 097/39,460	12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100057.
36.	2002/0124231 S/N 097/39,580	12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100057.
37.	2002/0124231 S/N 097/39,580	12-15-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 097/39,580.
38.	S/N 097/39,580	12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100057.
39.	S/N 097/42,171	12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100057.
40.	2003/0121013	12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100057.

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Substitute for Form 1449A/PTO				Application Number	10/047,978
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmire
Sheet	4	SP	4	Attorney Docket Number	SPLX.P0089

RELATED U.S. PATENT DOCUMENTS

RELATED CITED PATENT					
	5/11/00/745,067				
41.	2003/0121015 S/N:09/745,067	12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.	
42.	2002/0069397	01-13-2002	Steven Teig et al.	CIP of parent 2002/0100007.	
43.	2002/0176027	02-26-2002	Steven Teig et al.	CIP of parent 2002/0100057.	
44.	2002/0157075	02-20-2002	Steven Teig et al.	CIP of parent 2002/0100007.	
45.	2003/0088841 S/N:10/329,241	12-23-2002	Steven Teig et al.	Application regarding refined placement technology.	
46.	2003/0088841 S/N:10/329,241	12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241.	

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Submitted for Form 1449A/PTD.				Application Number	10/08 / 3378
				Filing Date	1/13/02
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				First Named Investor	Steven J. Hig
				Group Art Unit	16012
				Examiner Name	Sherry A. Whimsche
Serial	1	of	1	Patent Office Worker	SPLX-P0059

NON-PATENT LITERATURE DOCUMENTS

Researcher Details	Ref No.	Abstract details of the selected paper: CAPTIAL, LENT THERO, and the article (including co-authors), title of the conference, conference paper, journal, symposium, editor(s), date, place, volume/issue number(s), publisher, and other characteristics.
	1.	Kasivyer R et al. "Physiological Routing" IEEE/ACM International Conference on Computer Aided Design - ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, Pages 110-113.
	2.	jiang Han et al. "A Timing-Constrained Algorithm for Simultaneous Global Routing of Multiple Nets" IEEE/ACM International Conference on Computer Aided Design - ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA USA, 5-9 Nov. 2000, Pages 99-103.

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Information Disclosure Statement by Applicant		Application Number	10/647,378
		Filing Date	1/13/02
		First Named Inventor	Steven Eng
		Group Art Unit	3812
		Examiner Name	Sherry A. Whitmore
Sheet	1	of	1
		Attorney Docket Number	SPLX-F0498

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Citation No.	Reference copies of publications (Cited by the Examiner) and the year of the cited (cited application), age of the reference, response, prior art, patent, non-patent, citation, or date, name, volume, issue, number, publisher, author, country, etc. (list)
	3.	Kagchner R et al: "Parallelizing Routing" IEEE/ACM International Conference on Computer Aided Design, ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, Pages 110-113.
	2.	Jiang Hui et al, "A Timing-Constrained algorithm for Simultaneous Global Routing of Multiple Nets" IEEE/ACM International Conference on Computer Aided Design - ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA USA, 5-9 Nov. 2000, Pages 109-103.

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Sheet	1	of	6	Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitemore
				Attorney Docket Number	SPLX.P0089

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code (if known)	Date of Publication (MM-DD-YY)	Name of Patentee or Applicant (if cited Unpatented)	Page(s), Column(s), Line(s) Where Reference Passages or Relevant Figures Appear
1.	2001/0009 031		A1	07-19-2001	Nitta et al.	
2.	4,585,353			08-03-1996	Burstein et al.	
3.	5,257,170			11-30-1993	Antreich et al.	
4.	5,560,078			10-16-1996	Ding et al.	
5.	5,618,744			04-08-1997	Suzuki et al.	
6.	5,636,736			05-03-1997	Funaki et al.	
7.	5,637,920			05-10-1997	Loo	
8.	5,640,327			06-17-1997	Ting	
9.	5,790,536			08-25-1998	Chong	
10.	5,830,583			11-19-1998	Varadarajan et al.	
11.	5,930,093			11-09-1999	Jones et al.	
12.	6,070,108			05-30-2000	Akhrayev et al.	
13.	6,150,193			11-21-2000	Glenn	
14.	6,209,123		B1	03-27-2001	Maziasz et al.	
15.	6,210,332		B1	04-17-2001	Buzbee	
16.	6,249,902		B1	08-19-2001	Igusa et al.	
17.	6,253,383		B1	09-26-2001	Gasanov et al.	
18.	6,295,634		B1	09-25-2001	Matsumoto	
19.	6,307,256			10-23-2001	Chiang et al.	
20.	6,318,838		B1	11-13-2001	Ozawa et al.	
21.	6,324,676		B1	11-27-2001	Dutta et al.	

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Submission of Form 146B/PTO				Application Number	10/047,878
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whittemore
Sheet	2	of	6	Attorney Docket Number	SPLX.P0089

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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Case No. Date Filed	Foreign Patent Document Number ¹	Kinds Code Number ²	Date of Publication WPI/UD YYYY	Name of Patentee & Applicant or Direct Opponent	Foreign Examiner, Name where Patentee/Patentee or Opponent appears and with English translation of Abstract
33.	JP	411290560	A	00-29-1999	Matsumoto et al.	with English translation of Abstract
34.	JP	2000-02743	A	03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application
35.	JP	H03-173471	A	07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English

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				Filing Date:	1/12/02
				First Named Inventor:	Steven Tsig
				Group Art Unit:	2812
				Examiner Name:	Stacy A. Whittemore
Sheet:	3	of	6	Attorney Docket Number:	SPLX.P0050

FOREIGN PATENT DOCUMENTS						
						translation of the application, with Japanese Patent Office's English translation of Abstract, and with English translation of the application.
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				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitemore
Sheet	4	of	6	Attorney Docket Number	SPLX.P0039

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (paper, magazine, journal, serial, symposium, thesis, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	P
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Substitute for form 1409A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number 10/047,976
				Filing Date 1/13/02
				First Named Inventor Steven Teig
				Group Art Unit 2812
				Examiner Name Stacy A. Whitenore
Sheet	5	of	6	Attorney Docket Number SPLX.PC05S

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				Filing Date 1/13/02
				First Named Inventor Steven Telg.
				Group Art Unit 3812
				Examiner Name Stacy A. Whittemore
Sheet	6	of	6	Attorney Docket Number SPLX.PC029

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Sheet	1	ct	1	Filing Date 10/13/02
				First Named Inventor Steven D. Dalg
				Group Art Unit 2812
				Examiner Name Stacy A. Whitamore
				Attorney Docket Number SPLX.P0069

U.S. PATENT DOCUMENTS					
Examiner Initials	Case No.	U.S. Patent Document Number	Kinds Code(s) if known	Date of Publication MM-YY	Name of Patentee or Applicant of Cited Document
1.	2003/0182 044	A1	12-05-2002	Igarashi et al.	
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3.	5,663,691		09-02-1997	Barej et al.	
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10.		Hu, J. et al., A Timing-Constrained Algorithm for Simultaneous Global Routing of Multiple Nets, IEEE/ACM International Conference on Computer Aided Design, ICCAD, - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, pp. 99-103.			
11.		Kastanir, R. et al., Predictable Routing, IEEE/ACM International Conference on Computer Aided Design, ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, pp. 110-113.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/13/2002
(use as many sheets as necessary)				First Named Inventor	Steven Telg
				Group/Art Unit	2612
				Examiner Name	Stacy Whitmore
Sheet	1	of	1	Attorney Docket Number	SPLX.P0089

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document Number (if known)	Kind Code (if known)	Date of Publication MM-DD-YYYY	Name of Publisher or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures are located
1.	2003/0121017		A1	06-23-2003	Andreev et al.	
2.	6,088,519			07-11-2000	Koford	

NON PATENT LITERATURE DOCUMENTS

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3.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.		

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